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TOUGHBOOK CF-52

THE SEMI RUGGEDIZED, ALL-ROUND NOTEBOOK WITH HIGH RESOLUTION WIDESCREEN.

The CF-52 is the ideal all-round notebook when you are on the move or in the office. As a Toughbook, it comes up with a range of "ruggedized" features protecting its key components against vibrations and even falls from a height of up 76cm*. The display is surrounded by dampers and is mounted in a durable magnesium case. The hard disk drive is embedded in a shock-absorbing foam and is connected to the motherboard by flexible cabling. The splash resistant keyboard and touchpad helps to stop water or any other liquid from entering the casing and causing internal damage, while rubber port covers protect all sensitive external connections.

- Intel® Core™ i5-3360M vPro™ processor
- Genuine Windows® 7 Professional
- AMD Radeon™ HD 7750M graphics
- 15.4" WUXGA Active Matrix (TFT) colour LCD
- Robust magnesium alloy display case
- Shock-protected, easily removable HDD
- Two USB 3.0 SuperSpeed ports
- Integrated DVD Multi Drive
- Firewire (IEEE 1394a) and serial port
- Battery life up to 4 hours (MobileMark™ 2007, 60cd/m²)
- Withstands drops from a height of 76cm*

* Tested in Panasonic Factory.

Panasonic recommends Windows 8 Pro.

MOBILE BUSINESS EXCELLENCE

With a widescreen LCD for displaying complex graphics, high-performance processing power, lightweight design and an integrated carrying handle for maximum working flexibility, the CF-52 is an outstanding mobile tool. Its fit-for-purpose semi-ruggedness, including shock-mounted hard drive and full magnesium casing make it more than ready to safeguard data against the bumps and bruises of outdoor working.

Mobile Computing Platform	Intel® Core™ i5-3360M vPro™ processor	
	(2.8GHz, 3MB Intel® Smart Cache, Intel® 7 series Express chipset QM77)	
Operating System	Genuine Windows® 7 Professional	
Main Memory	4GB DDR3L SDRAM (max. 8GB)	
Graphic Chip	AMD Radeon™ HD 7750M, 512MB	
Storage	500 GB (SATA)	
CD/DVD Drive	DVD Multi Drive	
LCD	15.4" Active Matrix (TFT) colour LCD 1920 x 1200 pixels (WUXGA)	
Bluetooth™	Version 4.0 + EDR Class 1	
Wireless LAN	Intel® Centrino® Anvanced-N 6235 802.11 a/b/g/n compliant; slide on/off switch	
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T	
Modem	Data: 56 kbps (V.92) FAX: 14.4 kbps	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
Security Chip	TPM (TCG V1.2 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot	
Card Slots	PC Card Slot:	x1, Type I or Type II, Allowable current 3.3 V: 400 mA, 5 V: 400 mA
	Express Card Slot:	x1, ExpressCard/34 or ExpressCard/54
	SD/SDXC Memory: card slot	x1
	RAM Module Slot:	x2, DDR3L SDRAM, one slot occupied
Interfaces	Serial: (16550A compatible)	Dsub, 9-pin
	VGA port:	Mini Dsub, 15-pin
	Headphones:	Mini-jack, 3.5 DIA, stereo
	Microphone:	Mini-jack, 3.5 DIA, stereo
	DC Input:	Jack
	USB 2.0:	x2, 4-pin
	USB 3.0:	x2, 9-pin
	Firewire (IEEE1394a):	x1, 4-pin
	Modem:	RJ-11
	LAN:	RJ-45
	Port Replicator:	100-pin
Keyboard / Pointing Device	88 keys / Touch Pad	
Power	AC Adapter:	Input: 100V ~ 240V, 50Hz/60Hz; Output: 15.6V, 7.05A
	Battery:	Lithium-Ion (10.8V, 6.75Ah)
	Battery life:	Approx. 4.0h (Windows® 7 model, Mobile Mark™ 2007, LCD brightness: 60cd/m²)
	Power Management:	Standby function, ACPI BIOS
Dimensions (WxHxD)	355.7mm x 50.7-51.9mm x 286.8mm/14.0" x 2.0" x 11.3" (including carrying handle)	
Weight	Approx. 3.4 kg/7.5 lb (including carrying handle)	
Accessories	AC Adapter:	CF-AA5713A
	Battery charger:	CF-VCBTB2W
	Battery pack:	CF-VZSU71U
	Port replicator:	CF-VEB522W
	4GB RAM module:	CF-WMBA1104G

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%). RAM capacity calculated as follows: 1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes. Toughbook is a brand name and registered trademark of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Core, Intel vPro, Core Inside and vPro Inside are trademarks of Intel Corporation in the U.S. and other countries. Microsoft® and Windows® are registered trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.

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